



08/14/01

8-15-01 A

PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 22-0146

First Inventor or Application Identifier Stuart T. Linsky

Title See 1 in Addendum

Express Mail Label No. EF238908855US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Specification [Total Pages 34]
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. Drawing(s) (35 U.S.C. 113) [Total Sheets 5]

4. Oath or Declaration [Total Pages]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 C.F.R. § 1.63(d))
 (for continuation/divisional with Box 16 completed)

- i. DELETION OF INVENTOR(S)
 Signed statement attached deleting
 inventor(s) named in the prior application,
 see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

5. Microfiche Computer Program (Appendix)

6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. Computer Readable Copy
- b. Paper Copy (identical to computer copy)
- c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

7. Assignment Papers (cover sheet & document(s))

8. 37 C.F.R. § 3.73(b) Statement Power of
(when there is an assignee) Attorney

9. English Translation Document (if applicable)

10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS
Statement (IDS)/PTO-1449 Citations

11. Preliminary Amendment

12. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

13. Small Entity Statement(s) Statement filed in prior application
(PTO/SB-09-12) Status still proper and desired

14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

15. Other: Copy of unexecuted Declaration.....

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

Continuation Divisional Continuation-in-part (CIP) of prior application No: _____ / _____

Prior application information: Examiner _____ Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label _____ or Correspondence address below
(Insert Customer No. or Attach bar code label here)

| | | | | | |
|---------|---|-----------|--------------|----------|--------------|
| Name | Patent Counsel | | | | |
| | TRW Inc. | | | | |
| Address | S&E Law Department, E2/6051 One Space Park | | | | |
| City | Redondo Beach | State | CA | Zip Code | 90278 |
| Country | | Telephone | 310-812-4910 | Fax | 310-812-2687 |

| | | | |
|-------------------|--------------|-----------------------------------|--------|
| Name (Print/Type) | Noel F. Heal | Registration No. (Attorney/Agent) | 26,074 |
| Signature | | | |
| | Date | 8-14-01 | |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

JC997 U.S. PTO
09/929464

08/14/01

08/14/01
J104 U.S. PTO

PTO/SB/17 (12/99)

Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$728.00)

Complete if Known

| | |
|----------------------|------------------|
| Application Number | |
| Filing Date | August 14, 2001 |
| First Named Inventor | Stuart T. Linsky |
| Examiner Name | Unassigned |
| Group / Art Unit | N/A |
| Attorney Docket No. | 22-0146 |

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **20-1515**

Deposit Account Name **TRW Inc.**

Charge Any Additional Fee Required
Under 37 CFR §§ 1.16 and 1.17

2. Payment Enclosed:
 Check Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|-------------------------------|--------------------|
| 101 | 690 | 201 345 Utility filing fee | 710.00 |
| 106 | 310 | 206 155 Design filing fee | |
| 107 | 480 | 207 240 Plant filing fee | |
| 108 | 690 | 208 345 Reissue filing fee | |
| 114 | 150 | 214 75 Provisional filing fee | |
| SUBTOTAL (1) | | | (\$ 710.00) |

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|----------------------|--------------|----------------|----------|
| 21 | -20** = 1 | x 18 | = 18 |
| Independent Claims 3 | - 3** = 0 | x 80 | = 0 |
| Multiple Dependent | | | = 0 |

**or number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 103 | 18 | 203 9 Claims in excess of 20 |
| 102 | 78 | 202 39 Independent claims in excess of 3 |
| 104 | 260 | 204 130 Multiple dependent claim, if not paid |
| 109 | 78 | 209 39 ** Reissue independent claims over original patent |
| 110 | 18 | 210 9 ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) | | |

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|------------------------------------|----------------------------|---|-------------------------------|
| 105 | 130 | 205 65 Surcharge - late filing fee or oath | 0.00 |
| 127 | 50 | 227 25 Surcharge - late provisional filing fee or cover sheet | 0.00 |
| 139 | 130 | 139 130 Non-English specification | 0.00 |
| 147 | 2,520 | 147 2,520 For filing a request for reexamination | 0.00 |
| 112 | 920* | 112 920* Requesting publication of SIR prior to Examiner action | 0.00 |
| 113 | 1,840* | 113 1,840* Requesting publication of SIR after Examiner action | 0.00 |
| 115 | 110 | 215 55 Extension for reply within first month | 0.00 |
| 116 | 380 | 216 190 Extension for reply within second month | 0.00 |
| 117 | 870 | 217 435 Extension for reply within third month | 0.00 |
| 118 | 1,360 | 218 680 Extension for reply within fourth month | 0.00 |
| 128 | 1,850 | 228 925 Extension for reply within fifth month | 0.00 |
| 119 | 300 | 219 150 Notice of Appeal | 0.00 |
| 120 | 300 | 220 150 Filing a brief in support of an appeal | 0.00 |
| 121 | 260 | 221 130 Request for oral hearing | 0.00 |
| 138 | 1,510 | 138 1,510 Petition to institute a public use proceeding | 0.00 |
| 140 | 110 | 240 55 Petition to revive - unavoidable | 0.00 |
| 141 | 1,210 | 241 605 Petition to revive - unintentional | 0.00 |
| 142 | 1,210 | 242 605 Utility issue fee (or reissue) | 0.00 |
| 143 | 430 | 243 215 Design issue fee | 0.00 |
| 144 | 580 | 244 290 Plant issue fee | 0.00 |
| 122 | 130 | 122 130 Petitions to the Commissioner | 0.00 |
| 123 | 50 | 123 50 Petitions related to provisional applications | 0.00 |
| 126 | 240 | 126 240 Submission of Information Disclosure Stmt | 0.00 |
| 581 | 40 | 581 40 Recording each patent assignment per property (times number of properties) | 0.00 |
| 146 | 690 | 246 345 Filing a submission after final rejection (37 CFR § 1.129(a)) | 0.00 |
| 149 | 690 | 249 345 For each additional invention to be examined (37 CFR § 1.129(b)) | 0.00 |
| Other fee (specify) _____ | | | 0.00 |
| Other fee (specify) _____ | | | 0.00 |
| * Reduced by Basic Filing Fee Paid | | | SUBTOTAL (3) (\$ 0.00) |

Complete if applicable

| | | | | | |
|-------------------|---------------------|-----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Noel F. Heal | Registration No. (Attorney/Agent) | 26,074 | Telephone | 310-812-4910 |
| Signature | <i>Noel F. Heal</i> | | | Date | 8-14-01 |

WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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Attachment to PTO/SB/05 (4/98) Utility Patent Application
Transmittal

1. EFFICIENT IMPLEMENTATION OF A DECISION DIRECTED PHASE LOCKED LOOP (DD-PLL) FOR USE WITH SHORT BLOCK CODE IN DIGITAL COMMUNICATION SYSTEMS